

CLAIMS

1. A pillar-shaped honeycomb structural body having a structure in which a plurality of through holes are placed in parallel with one another in the length direction with a partition wall interposed therebetween,

wherein

lamination members are laminated in the length direction so that the through holes are superposed on one another, and
10 one of ends of each through hole is sealed.

2. A pillar-shaped honeycomb structural body having a structure in which a plurality of through holes are placed in parallel with one another in the length direction with a partition
15 wall interposed therebetween,

wherein

lamination members are laminated in the length direction so that the through holes are superposed on one another, and
at least the lamination members positioned on both end
20 faces of the honeycomb structural body are mainly made of metal.

3. The honeycomb structural body according to claim 2,
wherein
all the lamination members are mainly made of metal.

25 4. The honeycomb structural body according to claim 2 or 3,
wherein
each of a plurality of the through holes is sealed at one
of the ends of the honeycomb structural body, and
30 the honeycomb structural body functions as a filter.

5. The honeycomb structural body according to any one of
claims 1 to 4,
wherein
35 a catalyst is supported on the lamination members.

6. The honeycomb structural body according to any one of claims 1 to 5,

which functions as a filter for an exhaust gas purifying
5 device.